

# Grid Reliability Activities Joint FERC/NRC Meeting

Patrick L. Hiland, Director
Division of Engineering
Office of Nuclear Reactor Regulation



#### Overview

- Progress since January 2007
- Reliability Standards Activities
- Nuclear Power Plant Uprates
- License Renewal



#### Progress Since 2007

- Completed Grid Reliability Assessment
  - Closed Generic Letter 2006-02
- Continue Monitoring Grid Status
  - Daily Grid Status Report



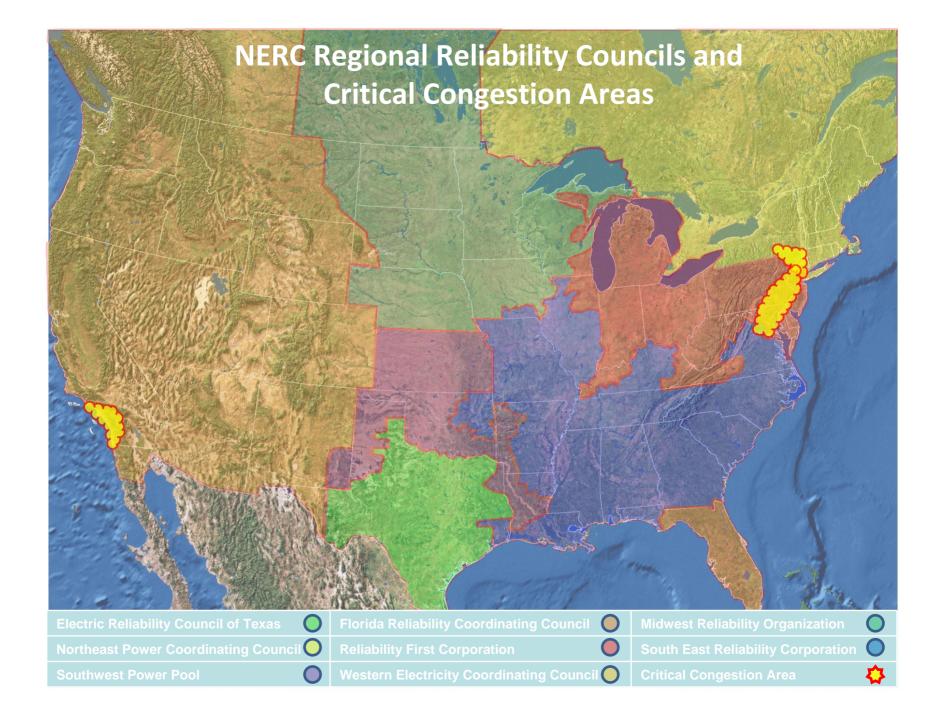
### Reliability Standards Activities

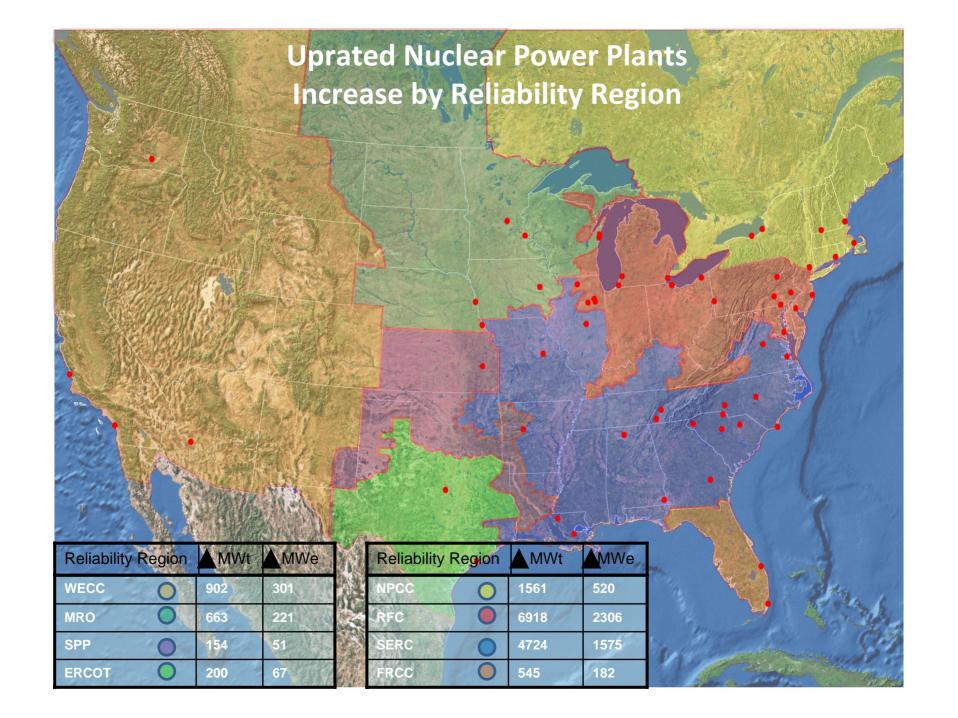
- Involvement with Reliability Standards
  - Identified Critical Standards for Nuclear Plants
  - Nuclear Plant Interface Coordination Standard (NUC-001)



#### **Uprated Nuclear Plants**

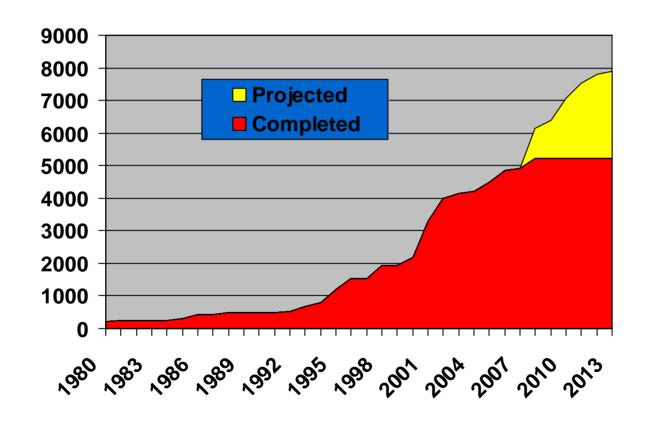
- Added 5,200 MWe Since 1977
  - Does Not Include Efficiency Gains
- Approximately 2900 MWe Proposed
- Power Uprate Applications Must Include Grid Impact Studies







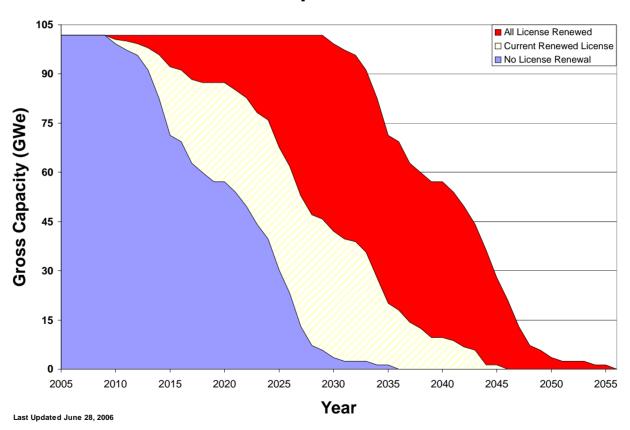
#### Power Uprate Additions





#### License Renewal

#### **License Renewal Impact on Nuclear Power**





## List of Acronyms

- DOE Department of Energy
- FERC Federal Energy Regulatory Commission
- MWe Megawatts Electric
- NERC North American Electric Reliability Corporation
- NRC Nuclear Regulatory Commission